

Section 7: Coal

		40 column 1	41 column 2	42 column 3
		Anthracite	Bituminous and Subbituminous Coal	Lignite
89.	Was this energy source (column) either purchased or consumed in this establishment during 1998?	Cen- sus use only 000	- <input type="text" value="1 9 Yes"/> Go to question 90	- <input type="text" value="1 9 Yes"/> Go to question 90
		<input type="text" value="2 9 No"/> Go to next column	<input type="text" value="2 9 No"/> Go to next column	<input type="text" value="2 9 No"/> Go to question 99, page 26
90.	Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.	010	<input type="text"/> Short Tons	<input type="text"/> Short Tons
	Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock). Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.			<input type="text"/> Short Tons
91.	Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 90.	020	<input type="text" value="\$"/> U.S. Dollars	<input type="text" value="\$"/> U.S. Dollars
	Include all expenditures regardless of when payment was made.			<input type="text" value="\$"/> U.S. Dollars
92.	Enter total quantity of transfers in and central purchases received in this establishment in 1998.	030	<input type="text"/> Short Tons	<input type="text"/> Short Tons
	Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind. Exclude quantities reported in question 90.			<input type="text"/> Short Tons
93.	Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	<input type="text"/> Short Tons	<input type="text"/> Short Tons
				<input type="text"/> Short Tons

Continue to next page

Section 7: Coal, cont.

	40 column 1 Anthracite	41 column 2 Bituminous & Subbituminous	42 column 3 Lignite
94. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.	Cen- sus use only -	-	-
060	<input type="text"/> Short Tons	<input type="text"/> Short Tons	<input type="text"/> Short Tons
<p>Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.</p> <p>Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.</p>			
95. Does this establishment consist of refinery operations only?	061	<input type="text"/> 19 Yes, refinery only Go to question 98	<input type="text"/> 19 Yes, refinery only Go to question 98
		<input type="text"/> 29 No Go to question 96	<input type="text"/> 29 No Go to question 96
96. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.	070	<input type="text"/> Short Tons	<input type="text"/> Short Tons
<p>Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.</p> <p>Exclude all offsite dispositions such as sales and transfers to other establishments.</p>			
97. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).	080	<input type="text"/> Short Tons Go to question 89, next column	<input type="text"/> Short Tons Go to question 89, next column
<p>Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.</p>			
98. < Answer questions 89 through 97 for all energy sources (columns).			
< Then go to question 99, next page.			

Continue to next page

Section 7: Coal, cont.

- 99.** Sum the quantities reported for all three types of coal (all columns) in question 94 to provide the total amount of coal consumed as a fuel in this establishment in 1998.
(If none, enter zero.)

46060

Total Coal

Short Tons

**Copy to question 133,
column 3, page 34**

P Copy this quantity to question 133, column 3, page 34.

Go to Section 8, next page

< Go to question 100, Section 8, next page.

Section 8: Breeze and Coal Coke

Note: Report quantities in this section in short tons.
One short ton equals 2,000 pounds.

Census
use only

44

Breeze

—

43

Coal Coke

—

100. Was this energy source (column) either purchased or consumed in this establishment during 1998?

000

1 9 Yes

Go to question 101

1 9 Yes

Go to question 101

2 9 No

Go to next column

2 9 No

Go to Section 9, page 29

101. Enter quantity purchased by, and delivered to, this establishment during 1998, regardless of when payment was made.

010

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

Short Tons

Short Tons

102. Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 101.

020

\$

U.S. Dollars

\$

U.S. Dollars

Include all expenditures regardless of when payment was made.

103. Enter total quantity of transfers in and central purchases received in this establishment during 1998.

030

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 101.

Short Tons

Short Tons

104. Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

040

Short Tons

Short Tons

Continue to next page

Section 8: Breeze and Coal Coke, cont.

	Census use only	<div style="text-align: right;">44</div> Breeze <div style="text-align: center;">—</div>	<div style="text-align: right;">43</div> Coal Coke <div style="text-align: center;">—</div>
105. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment during 1998. Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.	060	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons
106. Does this establishment consist of refinery operations only?	061	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> ¹ 9 Yes, refinery only Go to question 109 </div> <div style="border: 1px solid black; padding: 5px;"> ² 9 No Go to question 107 </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> ¹ 9 Yes, refinery only Go to question 109 </div> <div style="border: 1px solid black; padding: 5px;"> ² 9 No Go to question 107 </div>
107. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes. Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment. Exclude all offsite dispositions such as sales and transfers to other establishments.	070	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons
108. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing). Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.	080	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons Go to question 100, next column	<div style="border: 1px solid black; height: 30px; width: 100%; margin-bottom: 5px;"></div> Short Tons Go to Section 9, next page
109. < Answer questions 100 through 108 for both energy sources (columns). < Then go to question 110, Section 9, next page.			

Section 9: Hydrogen and Wood Fuel & Wood/Paper Refuse

		63	72
	Census use only	Hydrogen	Wood Fuel Wood/Paper Refuse (e.g., packing materials, roundwood, wood chips, pallets)
		—	—
110.	Was this energy source (column) either purchased or consumed in this establishment during 1998?	000	
		<div>1 9 Yes</div> <div>Go to question 111</div>	<div>1 9 Yes</div> <div>Go to question 111</div>
		<div>2 9 No</div> <div>Go to next column</div>	<div>2 9 No</div> <div>Go to Section 10, page 31</div>
111.	Enter quantity purchased by, and delivered to, this establishment during 1998, regardless of when payment was made.	010	
	<p>Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).</p> <p>Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.</p>	<div></div> <div>Million Btu</div>	<div></div> <div>Million Btu</div>
112.	Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 111.	020	
	<p>Include all expenditures regardless of when payment was made.</p>	<div>\$</div> <div>U.S. Dollars</div>	<div>\$</div> <div>U.S. Dollars</div>
113.	Enter total quantity of transfers in and central purchases received in this establishment during 1998.	030	
	<p>Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.</p> <p>Exclude quantities reported in question 111.</p>	<div></div> <div>Million Btu</div>	<div></div> <div>Million Btu</div>
114.	Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	
		<div></div> <div>Million Btu</div>	<div></div> <div>Million Btu</div>

Continue to next page

Section 9: Hydrogen and Wood Fuel & Wood/Paper Refuse, cont.

		63 Hydrogen —	72 Wood Fuel Wood/Paper Refuse —
	Census use only		
115. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment during 1998. Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.	060	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu
116. Does this establishment consist of refinery operations only?	061	<div style="border: 1px solid black; padding: 5px;"> ¹ 9 Yes, refinery only Go to question 119 </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> ² 9 No Go to question 117 </div>	<div style="border: 1px solid black; padding: 5px;"> ¹ 9 Yes, refinery only Go to question 119 </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> ² 9 No Go to question 117 </div>
117. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes. Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment. Exclude all offsite dispositions such as sales and transfers to other establishments.	070	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu
118. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing). Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.	080	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu Go to question 110, next column	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> Million Btu Go to Section 10, next page
119. < Answer questions 110 through 118 for both energy sources (columns). < Then go to question 120, Section 10, next page.			

Section 10: Other Energy Sources (not specified elsewhere)

		97	98	99
		Other Energy Source # 1	Other Energy Source # 2	Other Energy Source # 3
	Cen- sus use only 000	-	-	-
120.	Are there any other additional energy sources (fuels) purchased or consumed in this establishment in 1998 that have not been listed in previous sections?	<div>1 9 Yes</div> <div>Go to question 121</div>	<div>1 9 Yes</div> <div>Go to question 121</div>	<div>1 9 Yes</div> <div>Go to question 121</div>
		<div>2 9 No</div> <div>Go to Section 11, page 34</div>	<div>2 9 No</div> <div>Go to Section 11, page 34</div>	<div>2 9 No</div> <div>Go to Section 11, page 34</div>
121.	Specify the name of any energy source purchased or consumed in this establishment that has not been previously listed.	980	980	980
		<div>_____</div> <div>Energy Source</div>	<div>_____</div> <div>Energy Source</div>	<div>_____</div> <div>Energy Source</div>
	In addition, specify the units (e.g., gallons, million Btu, cubic feet, etc.) you are using to report this energy source.	981	981	981
		<div>_____</div> <div>Units</div>	<div>_____</div> <div>Units</div>	<div>_____</div> <div>Units</div>
122.	Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.	010	010	010
	Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).	<div>_____</div> <div>Units</div>	<div>_____</div> <div>Units</div>	<div>_____</div> <div>Units</div>
	Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.			
123.	Enter total expenditures, including taxes and any delivery charges, for the quantity reported in question 122.	020	020	020
	Include all expenditures regardless of when payment was made.	<div>\$ _____</div> <div>U.S. Dollars</div>	<div>\$ _____</div> <div>U.S. Dollars</div>	<div>\$ _____</div> <div>U.S. Dollars</div>

Continue to next page

Section 10: Other Energy Sources, cont.

	Cen- sus use only	97 Other Energy Source # 1 -	98 Other Energy Source # 2 -	99 Other Energy Source # 3 -
124. Enter total quantity of transfers in and central purchases received in this establishment in 1998.	030	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Units	Units	Units
<p>Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.</p> <p>Exclude quantities reported in question 122.</p>				
125. Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Units	Units	Units
126. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.	060	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Units	Units	Units
<p>Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.</p>				
127. Does this establishment consist of refinery operations only?	061	<input type="text"/> 19 Yes, refinery only Go to question 130, next page	<input type="text"/> 19 Yes, refinery only Go to question 130, next page	<input type="text"/> 19 Yes, refinery only Go to question 130, next page
		<input type="text"/> 29 No Go to question 128, next page	<input type="text"/> 29 No Go to question 128, next page	<input type="text"/> 29 No Go to question 128, next page

Continue to next page

Section 10: Other Energy Sources, cont.

Cen-
sus
use
only

97
**Other Energy
Source # 1**

98
**Other Energy
Source # 2**

99
**Other Energy
Source # 3**

-

-

-

128. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

070

Units

Units

Units

129. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).

Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.

080

Units

Units

Units

Go to question 120, next column Go to question 120, next column Go to Section 11, next page

130. < Answer questions 120 through 129 for any additional energy sources (columns).

< Then go to question 131, Section 11, next page.